<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duke Faculty Listing</td>
<td>3</td>
</tr>
<tr>
<td>Faculty Disclosure</td>
<td>4</td>
</tr>
<tr>
<td>Disclaimer</td>
<td>4</td>
</tr>
<tr>
<td>Accreditation</td>
<td>4</td>
</tr>
<tr>
<td>Credit Designation</td>
<td>4</td>
</tr>
<tr>
<td>Instructions to Receive Credit</td>
<td>5</td>
</tr>
<tr>
<td>Program</td>
<td>5</td>
</tr>
<tr>
<td>Biographies</td>
<td>6</td>
</tr>
<tr>
<td>Notes</td>
<td>9</td>
</tr>
</tbody>
</table>
Course Facilitators
Christine L. Simms, COA
Marjorie Veihl, COT
Ryan Hampton, COT

Duke Faculty
Alan N. Carlson, MD
Professor of Ophthalmology
Cornea and External Disease Service

Thomas Devetski, OD
Assistant Professor of Ophthalmology
Comprehensive and Contact Lens Service

Cathy DiBernardo, RN
Retina Service

Sharon Freedman, MD
Professor of Ophthalmology
Pediatric Service

Divakar Gupta, MD
Clinical Associate of Ophthalmology
Glaucoma Service

Anna Boyd Jefferson, BCO
Board Certified Ocularist
Carolina Eye Prosthetics

Nicole Langelier, MD
Clinical Associate of Ophthalmology
Oculoplastics Oncology Service

Namita Kashyap, CO
Certified Clinical Orthoptist
Pediatric Service

Michael P. Kelly, FOPS
Fellow Ophthalmic Photographer Society
Director of Imaging

Deborah Smith, COMT, BSBA
Coordinator of Education and Training
Director, Ophthalmic Medical Training

Robin Raul Vann, MD
Professor of Ophthalmology
Comprehensive and Surgical Comprehensive Service
DISCLOSURES & DISCLAIMERS

Faculty Disclosure
The Duke University School of Medicine adheres to ACCME Essential Areas, Standards, and Policies regarding industry support of continuing medical education. Disclosure of faculty and commercial relationships will be made known at the activity. Speakers are required to openly disclose any limitations of data and/or any discussion of any off-label, experimental, or investigational uses of drugs or devices in their presentations.

Disclaimer
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Credit Designation
This course has been awarded 8 JCAHPO credits. We acknowledge the support from the following sponsors of educational grants:
- Alcon, Inc
- Bio-Tissue, Inc.
- Carolina Eye Prosthetics, Inc
- Ellex, Inc

Instructions to Receive Credit
In order to receive JCAHPO credit, participants must sign in, review CE information and attend the CE activity. CE credits are awarded on a 1:1 basis per course hour and only for courses actually attended. Credits are denied to individuals who miss more than 10 minutes of any course hour. Please be sure to return your Course Evaluation Form to the registration desk at the end of the program.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 7:30 - 8 AM | Registration  
Continental breakfast  
Welcome |
| 8 - 9 AM  | *Childhood Glaucoma*  
Sharon Freedman, MD |
| 9 - 9:50 AM | *Connecting the Dots: When They Don’t Follow the Textbook*  
Alan N. Carlson, MD |
| 9:50 - 10 AM | Break |
| 10 - 11 AM | *The Power of Planning: Ocular Biometry and IOL Calculations*  
Robin Raul Vann, MD |
| 11 - 12 PM | *Contact Lens Update: Trends for 2016*  
Thomas Devetski, OD |
| 12 - 1 PM | Lunch |
| 1 - 2 PM  | *Imaging Intraocular Tumors*  
Michael P. Kelly, FOPS  
Cathy DiBernardo, RN |
| 1 - 3 PM  | **Workshop: Retinoscopy plus Cylinder**  
Deborah Smith, COMT |
| 2 - 2:50 PM | *Understanding the World of Ocular Prosthesis*  
Anna Boyd Jefferson, BCO |
| 2:50 - 3 PM | Break |
| 3 - 4 PM  | *Oculoplastic Surgery: Tips on Trauma, Tumors, Tearing, Thyroid and Ptosis*  
Nicole Langelier, MD |
| 3 - 4 PM  | **Workshop: BSCAN - Scanning Techniques**  
Cathy DiBernardo, RN |
| 4 - 5 PM  | **Workshop: Ocular Motility**  
Namita Kashyap, CO |
| 4 - 5 PM  | *Pearls in Glaucoma Diagnosis and Management*  
Divakar Gupta, MD |
Alan N. Carlson, MD
Dr. Carlson received his medical degree at Duke University School of Medicine; He completed his residency in ophthalmology at Baylor College of Medicine (Texas) and completed two fellowships in Cornea and Refractive surgery, one at the Cullen Eye Institute, Baylor College of Medicine and one at the Duke Eye Center. He is recognized nationally and internationally as a leading eye surgeon specializing in anterior segment procedures that include: cataracts, corneal transplantation (PK, DSAEK, DALK), anterior segment reconstruction, Intacs corneal ring segments, laser vision correction surgery (LASIK, PRK, PTK), the management and repair of previous surgical complications, and the latest procedures approved for the treatment of presbyopia and keratoconus.

Thomas Devetski, OD
Dr. Devetski graduated from the Illinois College of Optometry. His practice focuses on people with difficult vision problems. Prior to joining the Duke Eye Center, he was the Contact Lens Clinic Director at UNC. He has extensive experience with the rehabilitation of vision when patients have irregular corneas due to keratoconus, corneal transplants and refractive surgery.

Cathy DiBernardo, RN, CDOS
Cathy has been performing ophthalmic ultrasound for over 30 years. She began her training at the Bascom Palmer Eye Institute in Miami, Florida and from there was recruited by the Wilmer Eye Institute, Johns Hopkins University in Baltimore, Maryland to develop and run their ultrasound department. She remained in Baltimore for 20 years and was an Associate Professor of Ophthalmology at the time of her retirement 5 years ago. Currently, she serves as a Part-time, Clinical Associate Professor at the University of North Carolina, Chapel Hill and she is seeing patients here at the Duke Eye Center on a part-time basis. Cathy has co-authored the 1st and 2nd editions of Ophthalmic Ultrasound: A Diagnostic Atlas, as well as numerous book chapters and articles in peer reviewed journals. She is a nationally and internationally known expert in the field of Ophthalmic Ultrasound.

Sharon Freedman, MD
Dr. Freedman is a clinician-educator with specific expertise and interest in the areas of pediatric glaucoma and Retinopathy of Prematurity (ROP). She is a tenured professor and chief of the pediatric division at Duke Eye Center, She has built a large clinical practice which includes children from the local region and surrounding states. She has been responsible (with my partner, Dr. David Wallace) for the clinical screening and treatment of premature infants with ROP in the Neonatal Intensive Care Unit of the Duke Hospital for the past 19 years, and has actively participated in clinical research related to the objective diagnosis of blood vessel changes in severe ROP for the past two decades. She has participated as a site Principal Investigator (PI) in the NIH multicenter Early Treatment ROP study, and co-investigator (and current site PI) for the Infant Aphakic Treatment Study as well as the newly-initiated phase 1 PEDIG study of intravitreal bevacizumab for type I ROP. She is an expert in pediatric glaucoma and have performed extensive research in OCT imaging for assessment of healthy and diseased optic nerves in infants and children. She has taken an active role in the American Association for Pediatric Ophthalmology and Strabismus (AAPOS), as Board member and immediate past President. She is the senior IRB representative for the department of Ophthalmology at Duke Medical Center, and have served on the IRB for 19 years. I regularly mentor medical students, residents, fellows, and junior faculty colleagues in clinical research projects at Duke.
**Divakar Gupta, MD**

Dr. Gupta, MD, is a Clinical Associate in Glaucoma at the Duke University Eye Center. He will be joining the Duke Eye Center as an Assistant Professor beginning this August. He received a BS in Bioengineering and a BS in Statistics from the University of Washington, and a MD from Duke University. He completed his ophthalmology residency at the University of Washington. Dr. Gupta has received research awards from the National Institutes of Health and the Howard Hughes Medical Institute. His research interests include treatment outcomes in glaucoma, ocular imaging, and ophthalmic epidemiology.

**Anna Boyd Jefferson, BCO**

Anna Jefferson is a Board Certified Ocularist and owner of Carolina Eye Prosthetics in Burlington, North Carolina. She is a frequent reviewer for the Journal of Oculoplastic and Reconstructive Surgery and has given lectures in the past to various clinics. She has spoken most recently at the American Society of Ocularists’ spring meeting. She works with her sisters, Emma and Clare and has made it a personal mission to raise the standards of ocularistry within her company as well as provide the best customer service available.

**Namita Kashyap, CO**

Namita initially started out her career as an Orthoptist in Sheffield, England in 1998. She got her US certification in 2004 and has been employed at the Duke Eye Center since 2005 working in the Pediatric Service. She is currently a mentor for the Duke Ophthalmic Technician program and immensely enjoys teaching ocular motility to incoming Fellows, Residents and Op Tech students.

**Michael P. Kelly, FOPS**

Michael Kelly started his ophthalmic photography career under the tutelage of legendary retina specialist Howard Schatz, MD in San Francisco. Since then he has directed the ophthalmic imaging departments of California Pacific Medical Center, Cleveland Clinics’ Cole Eye Institute, Cincinnati Eye Institute, and since 2005 the Duke University Eye Center. Michael has forty publications, has been a contributing author to two textbooks, and has co-authored twelve scientific poster presentations. His images have been published in a dozen textbooks and every major ophthalmology journal. He authored the American Academy of Ophthalmology instructional video “Basic Techniques of Fluorescein Angiography.” He has seventeen cover photographs, appearing on Retina Times, Ophthalmology, EyeNet, Journal of Glaucoma, and Retinal Physician. Michael has been certified for twenty-nine national clinical trials and has applied his eye imaging skills to mice, rats, rabbits, pigs and of course humans, from neonates to centenarians; the youngest at 13 days old and the oldest at 101 years of age. His ophthalmic imagery can be found in the British Optical Association Museum and the Smithsonian Institution. He is a frequent lecturer for the OPS, JCAHPO, ASORN, ATPQ, AAO and other organizations and universities. He has been an invited speaker for conferences across the nation and the world.

Michael sits on three Editorial Boards: the Journal of Ophthalmic Photography, the American Academy of Ophthalmologys’ EyeNet Magazine, and is also a Senior Founding Editor of the American Society of Retina Specialists’ Retina Image Bank. Michael has received sixteen OPS and ICOP Scientific Exhibit awards, two JCAHPO Distinguished Service awards, and in 2010 the American Academy of Ophthalmology Secretariat Award –becoming only the second ophthalmic photographer to ever receive this honor. Michael was elected a Fellow of the Ophthalmic Photographers’ Society.

In 2013, he was awarded the prestigious Don Wong Award for the most outstanding OPS Scientific Session paper presentation. In 2015 Michael became one of only a handful of non-physicians to have received the American Academy of Ophthalmology Achievement Award.
Nicole Langelier, MD

Dr. Nicole Langelier is an Oculoplastic and Reconstructive Surgery fellow at the Duke Eye Center. Her clinical interests include reconstructive and cosmetic surgery of the eyelids and orbit, injectable fillers, neuromodulators, and use of CO2 laser in oculoplastic surgery. Dr. Langelier was raised in Massachusetts and attended Bates College in Maine where she studied neuroscience. She is a graduate of the Perelman School of Medicine at The University of Pennsylvania in Philadelphia where she also received a Master's in Bioethics. She completed her ophthalmology residency training at the Scheie Eye Institute at the University of Pennsylvania Health System.

Deborah K. Smith, COMT, BSBA

Deborah K. Smith, BS, COMT, is the Coordinator of Education and Training and the Director of the Duke Ophthalmic Medical Technician Program. Her career in ophthalmology began as an administrative assistant for a vitreo-retinal specialist at Indiana University. This role sparked her interest in ophthalmology, and soon, she pursued training with the goal of becoming a COMT. In 1989, she achieved this goal while at the Kresge Eye Institute of Wayne State University in Detroit, where she worked for many years, first as a technician and later as the Director of Clinical Services. Her career has allowed her to serve in a variety of capacities in practice settings from small private practices, to large multi-specialty clinics and university ophthalmology departments. In every position she has actively engaged in training technicians in the office, as well as at local, regional, and JCAHPO ACE meetings.

Robin Raul Vann, MD

Dr. Vann is board certified in comprehensive ophthalmology and has a particular interest in vision problems resulting from cataracts. He has been the chief of the Comprehensive Service for 14 years. He has written or co-written many refereed journals, book chapters, editorials and abstracts. He has been a frequent invited lecturer or presenter. He performs cataract surgery using monofocal, monofocal toric and multi focal intraocular lenses. He is also professionally interested in the management of common ocular diseases including dry eye syndrome, glaucoma, diabetic retinopathy and macular degeneration. He is a member of the American Academy of Ophthalmology and the Society of Cataract and Refractive Surgeons.